

## NFPA DESIGNATION 704

HAZARD RATING	HEALTH	0
4=Extreme		
3=High	FIRE	1
2=Moderate		
1=Slight	REACTIVITY	0
0=Insignificant		
	SPECIFIC HAZARD	NONE



## MATERIAL SAFETY DATA SHEET

## SECTION 1 NAME AND PRODUCT

MANUFACTURER'S NAME: SUNNEN PRODUCTS COMPANY  
 ADDRESS: 7910 Manchester Ave.  
 St. Louis, Mo. 63143  
 United States of America

CONTACT: Terry Heller  
 EMERGENCY PHONE NO: 314-781-2105  
 APPROVED BY: Terry Heller  
 TITLE: Manager, Materials R/D  
 DATE: August 15, 1987

TRADE NAME, COMMON NAME OR SPECIFICATION: AN-30 Silicon Compound

CHEMICAL FAMILY: MIXTURE. CLASSIFICATION: NOT APPLICABLE. D.O.T. SHIPPING CLASS: NOT APPLICABLE.

## SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON NAME	CHEMICAL NAME OF COMPONENTS	CAS NO	Wt.%	OSHA PEL mg./cu. m.	ACGIH TLV-TWA mg./cu. m.	CARCINOGENIC
OIL	PETROLEUM DISTILLATE, SEVERELY HYDROTREATED AND/OR SEVERELY SOLVENT REFINED	UNKNOWN	32	5 (mist)	5 (mist)	N
SILICON	SILICON	7440-21-3	50	None	10 as Nuisance Dust	N
STEARIC ACID	CALCIUM STEARATE	1592-23-0	18	None	10 as Nuisance Dust	N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.

## SECTION 3 PHYSICAL &amp; CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1)-----UNKNOWN  
 PERCENT VOLATILE BY WEIGHT-----<1%  
 BOILING POINT----->600 F (316 C)  
 VAPOR PRESSURE (mm Hg)-----<.1mm Hg @ 68 F (20 C)  
 VAPOR DENSITY (AIR=1)-----UNKNOWN  
 EVAPORATION RATE-----NEGLECTIBLE  
 SOLUBILITY IN WATER-----NEGLECTIBLE. OIL AND STEARIC ACID ARE COMPLETELY SOLUBLE IN COMMON HYDROCARBON OR CHLORINATED HYDROCARBON SOLVENTS SUCH AS MINERAL SPIRITS OR TRICHLOROETHANE.  
 REACTIVITY IN WATER-----NOT REACTIVE  
 APPEARANCE AND ODOR-----BLACK PASTE

## SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to section 7.

## SECTION 5 CORROSIVITY AND REACTIVITY DATA

STABILITY: Material is stable under normal conditions of transport and storage. POLYMERIZATION: Hazardous polymerization will not occur. INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidation agents such as fuming nitric acid. CONDITIONS TO BE AVOIDED: oxidizing conditions. HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide and calcium oxide as products of combustion.

## SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ABBREVIATIONS USED IN THE FOLLOWING SECTION: NAIF=NO APPLICABLE INFORMATION FOUND, SKIN=SKIN ABSORPTION, EYE=EYE CONTACT, INHAL=INHALATION, INGEST=INGESTION

**CALCIUM STEARATE:** ACUTE: SKIN: NAIF. EYE: May cause mechanical irritation. INHAL: Excessive inhalation of dust may cause coughing and difficult breathing and inflammation of the lungs. INGESTION: NAIF. CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: Grossly excessive and chronic inhalation of the dust may cause a progressive lung disease. INGEST: NAIF.

**MINERAL OIL:** ACUTE: SKIN: May cause irritation. Predisposing factors: Individuals with sensitive skin or large amounts of body hair. Material is not sterile and may infect open cuts or sores. EYE: May cause irritation. INHAL: Coughing, sore throat, headache, chest pain and difficult breathing. Predisposing factors: Individuals with pre-existing respiratory impairments (such as emphysema) can display increased sensitivity to oil mist or vapors. INGEST: Loose bowel movements. Minute amounts of mineral oil aspirated into the lungs during ingestion may cause mild to severe lung injury. CHRONIC: SKIN: Prolonged or repeated skin contact can cause skin irritation or oil acne: redness and blackheads due to mechanical blockage of the pores. Material is potentially a skin sensitizer. Individuals can experience skin irritation after prolonged exposure. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

**SILICON:** ACUTE: SKIN: Physical damage to the skin caused by dust or by cleaning procedures used to remove it. EYE: Dust may irritate eyes. INHAL: Dust may cause physical damage to the mucous membranes or nasal passages. INGEST: NAIF CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: May produce x-ray changes in the lungs without disability. INGEST: NAIF.

## EMERGENCY FIRST AID

**INHALATION:** Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. **EYE CONTACT:** Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Wash contact areas with mild non-abrasive soap and water. **INGESTION:** Get medical assistance.

## SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

**NORMAL STORAGE AND HANDLING:** Store away from heat or flame. If stored outdoors, store so as to shed water. **NORMAL USE:** May cause skin irritation and/or defat the skin on prolonged or repeated contact. Practice good personal hygiene by washing hands several times each day. Launder contaminated clothing before reuse. Avoid wearing clothing soaked with fluid. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. **FOR INDUSTRIAL USE ONLY.** Not suitable for use in or around household or dwelling. Do not reuse containers for other materials or purposes. All precautions detailed on the container label apply to partially full or empty containers. Do not attempt to clean as residue is difficult to remove. Containers should be disposed of in an environmentally safe manner and in accordance with applicable governmental regulations. **STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Absorb on fire retardant absorbent. Gather and dispose of in accordance with applicable regulations. **WASTE DISPOSAL METHODS:** AN-30 Silicon Compound and the used Felt Set contain mineral oil, a hazardous waste. Dispose of the used Felt Set and Silicon Compound in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

## SECTION 8 PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** If use conditions give rise to excessive mist (greater than 5 mg/cu M) use a NIOSH approved respirator rated for mineral oil mist or forced ventilation to reduce mist exposure below TLV levels.

**VENTILATION-LOCAL:** Normal. **MECHANICAL:** Required if use conditions give rise to levels greater than 5 mg/cu M. **OTHER:** No applicable information found.

**SKIN PROTECTION:** No special equipment required. However, good personal hygiene practices should always be followed. Do not wear oil soaked clothing.

**EYE PROTECTION:** Use chemical safety goggles. Contact lenses should not be worn when working with this material.

**OTHER EQUIPMENT:** Oil-impervious apron if desired.

MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL: Same as for petroleum lubricating oil. Remove traces of material if soldering, welding, brazing, cutting or other process involving ignition sources to prevent a fire hazard.

#### SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT-----400 F (204 C) ASTM D-92

FLAMMABLE LIMITS--- LEL: 0.6 UEL: 7.0

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: For fires in enclosed areas, firefighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may explode if exposed to extreme heat.

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